

**Geography (P.G.)**

**[CBCS]**

**M.Sc. Second Semester End Examination-2024**

**(Regular & Supplementary Paper)**

**PAPER-GEO-204**

**Full Marks: 40**

**Time: 02 Hrs**

*The figures in the right hand margin indicate full marks*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

**[Use separate answer script for each unit]**

**Unit – 19**

**[Basics of Environment]**

**[F.M. – 20]**

**Group-A**

**Answer any one question from the following:**

**1x8= 8**

1. Discuss the floral and faunal characteristics of equatorial rain forest biomes.
2. Explain the role of energy flow to maintain the balance of an ecosystem.

**Group-B**

**Answer any two questions from the following:**

**2x4 = 8**

3. Explain the role of micro-organism in nitrogen cycle.

(2)

4. Discuss the significance of environmental ethics.
5. Give a comparative account of grazing and detritus foods chain.
6. Write a short note on the Bio-mass Pyramid and its importance on ecosystem

**Group -C**

**Answer any two questions of the following: 2x2 = 4**

7. Define ecocline.
8. Define the term Autotroph
9. What do you mean by Terrestrial Ecosystem Model (TEM)?
10. What is Standing Crop?

**Unit – 20**

**[Environmental pollution: issues and Policies]**

**[F.M. – 20]**

**Group-A**

**Answer any one question from the following: 1x8= 8**

1. Explain the various human induced causes of water pollution mentioning their impacts on human health and environment.
2. Explain the major threats to biodiversity with examples.

**Group-B**

**Answer any two questions from the following: 2x4 = 8**

3. Briefly elucidate the sources of air pollutants.

(3)

4. Write a short note on pollution sink.
5. Critically examine the long term consequence of land pollution.
6. Write a short note on ecological foot print.

**Group -C**

**Answer any two questions of the following: 2x2 = 4**

7. Define primary and secondary air pollutants.
  8. Define smog.
  9. What is in-situ conservation?
  10. What is carbon sink?
-